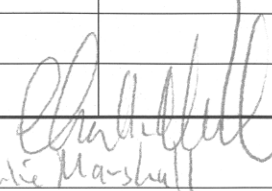
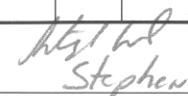


COC 42

CHAIN OF CUSTODY REPORT

Work Order #: M105042

CLIENT: Bristol			INVOICE TO: Bristol										TURNAROUND REQUEST in Business Days* <div style="display: flex; justify-content: space-around; font-size: small;"> <div>Organic & Inorganic Analyses</div> <div> <div style="border: 1px solid black; padding: 2px;">10</div> <div style="border: 1px solid black; padding: 2px;">7</div> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;"><1</div> </div> <div>STD.</div> <div>Petroleum Hydrocarbon Analyses</div> <div> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;"><1</div> </div> <div>STD.</div> <div>Please Specify</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">OTHER</div> </div>										
REPORT TO: Anne Kranawetter			P.O. NUMBER: 21090																				
ADDRESS: Amchitka Island, Alaska																							
PHONE: 907 770-0974			FAX: 770-0975																				
PROJECT NAME: Amchitka			REQUESTED ANALYSES																				
PROJECT NUMBER: 21090																							
SAMPLED BY: Ann / Charles																							
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		DRU BTEX Naphthalene												MATRIX (W, S, O)		# OF CONT.		COMMENTS		NCA WO ID	
1. 01AM B 7 02SL		5/30/01 1140		✓ ✓												S		2					
2. 01AM R 12SL		5/30/01 1350		✓ ✓		U										S		2					
3. 01AM R 13SL		5/30/01 1355		✓ ✓		U										S		2					
4. 01AM R 14SL		5/30/01 1400		✓ ✓		U										S		2					
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
RELINQUISHED BY: 				DATE: 5/30/01				RECEIVED BY: 				DATE: 5/30											
PRINT NAME: Charlie Marshall				FIRM: Bristol				TIME: 1524				PRINT NAME: Stephen Wilson				FIRM: NCA				TIME: 1524			
RELINQUISHED BY:				DATE:				RECEIVED BY:				DATE:											
PRINT NAME:				FIRM:				TIME:				PRINT NAME:				FIRM:				TIME:			
ADDITIONAL REMARKS: Trip added to COC # 43 / turn in at the same time, U																TEMP:		PAGE OF					



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223
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541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 05/30/01 15:24. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M105042



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/01/01 15:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMB702SL	M105042-01	Soil	05/30/01 11:40	05/30/01 15:24

COC #42

See M105043 (COC #43) for Trip Blk

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

1 of 7



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/01/01 15:28

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB702SL (M105042-01) Soil						Sampled: 05/30/01 Received: 05/30/01			
Diesel Range Organics	493	150	mg/kg dry	1	AK 102	05/30/01	05/31/01	0105069	
<i>Surr: 1-Chlorooctadecane</i>	<i>113 %</i>	<i>75-125</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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2 of 7



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/01/01 15:28

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB702SL (M105042-01) Soil					Sampled: 05/30/01 Received: 05/30/01				
Benzene	ND	0.0654	mg/kg dry	50	1B BTEX/MTI	05/30/01	05/30/01	0105068	
Toluene	ND	0.262	"	"	"	"	"	"	
Ethylbenzene	ND	0.262	"	"	"	"	"	"	
Xylenes (total)	ND	0.523	"	"	"	"	"	"	
Naphthalene	ND	2.62	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>77.3 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network

3 of 7



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/01/01 15:28

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB702SL (M105042-01) Soil					Sampled: 05/30/01 Received: 05/30/01				
% Solids	81.1	0.0100 % by Weight	1		Gravimetric	05/30/01	05/31/01	0105071	

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/01/01 15:28

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	--------------	----------------	-----	--------------	-------

Batch 0105069 - 3545 ASE

Blank (0105069-BLK1)

Prepared: 05/30/01 Analyzed: 05/31/01

Diesel Range Organics ND 150 mg/kg wet

Surr: 1-Chlorooctadecane 7.43 " 6.25 119 75-125

LCS (0105069-BS1)

Prepared: 05/30/01 Analyzed: 05/31/01

Diesel Range Organics 1430 150 mg/kg wet 1250 114 75-125

Surr: 1-Chlorooctadecane 6.34 " 6.25 101 75-125

LCS Dup (0105069-BSD1)

Prepared: 05/30/01 Analyzed: 05/31/01

Diesel Range Organics 1450 150 mg/kg wet 1250 116 75-125 1.39 20

Surr: 1-Chlorooctadecane 6.48 " 6.25 104 75-125

Matrix Spike (0105069-MS1)

Source: M105038-21

Prepared: 05/30/01 Analyzed: 05/31/01

Diesel Range Organics 1770 150 mg/kg dry 1490 ND 114 60-140

Surr: 1-Chlorooctadecane 8.14 " 7.43 110 75-125

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/01/01 15:28

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 0105068 - MeOH Extraction

Blank (0105068-BLK1)

Prepared & Analyzed: 05/30/01

Benzene	ND	0.100	mg/kg wet
Toluene	ND	0.400	"
Ethylbenzene	ND	0.400	"
Xylenes (total)	ND	0.800	"
Naphthalene	ND	4.00	"

Surr: 4-BFB 2.50 " 2.50 100 50-150

LCS (0105068-BS1)

Prepared & Analyzed: 05/30/01

Benzene	2.14	0.0250	mg/kg wet	2.50	85.6	69-138
Toluene	2.20	0.100	"	2.50	88.0	53-151
Ethylbenzene	2.44	0.100	"	2.50	97.6	61-141
Xylenes (total)	6.82	0.200	"	7.50	90.9	62-141
Naphthalene	2.91	1.00	"	2.50	116	65-135

Surr: 4-BFB 2.60 " 2.50 104 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/01/01 15:28

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network

7 of 7

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
M105042-01	Solids, Dry Weight		Report recreated from:
			\\sisters\elmnt\Report\M105042 FINAL 06 01 01
			1528.mdb
			Default Report (not modified)
			Soil batched as Other dry